

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015395.D
 Acq On : 31 Aug 2023 11:54
 Operator : SY/MD
 Sample : 04212-01
 Misc : 6.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-2

Quant Time: Sep 01 00:44:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	120227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	175737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73752	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78676	61.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.100%
35) Dibromofluoromethane	7.716	113	65017	55.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.400%
50) Toluene-d8	10.179	98	238699	55.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.920%
62) 4-Bromofluorobenzene	12.483	95	72804	45.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.960%

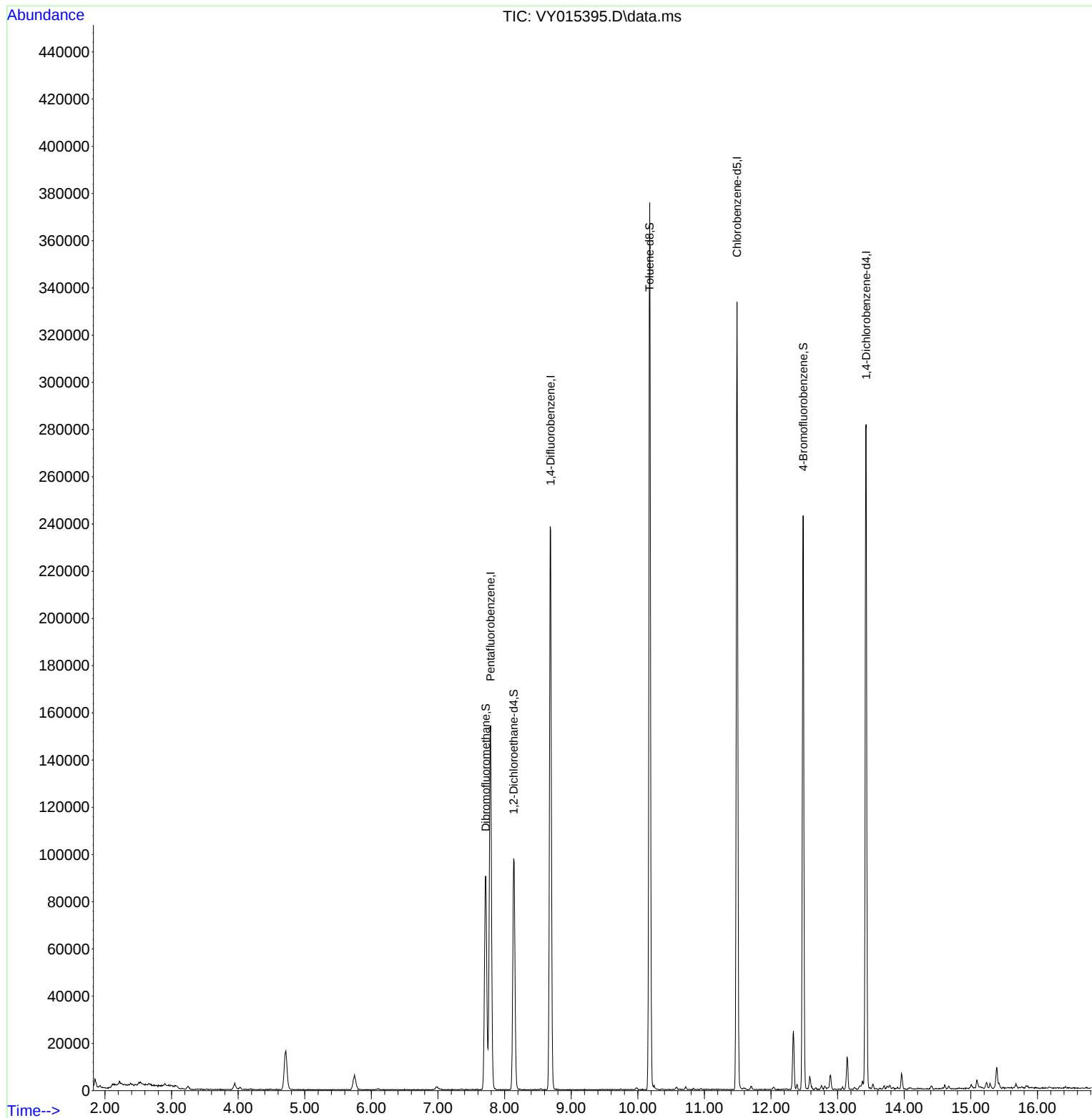
Target Compounds	Qvalue

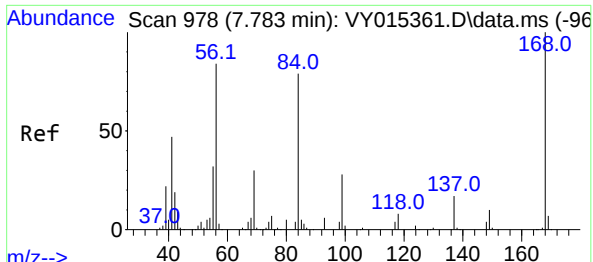
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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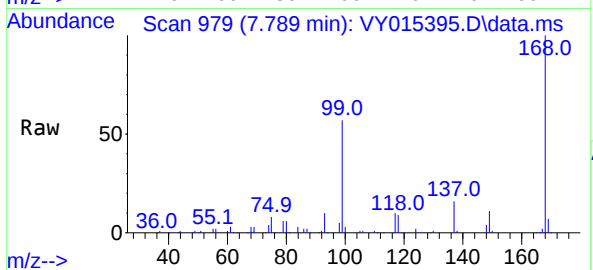
Quant Time: Sep 01 00:44:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
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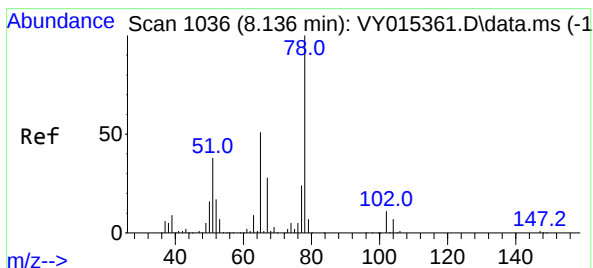
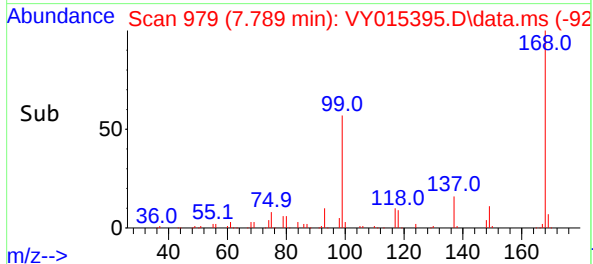
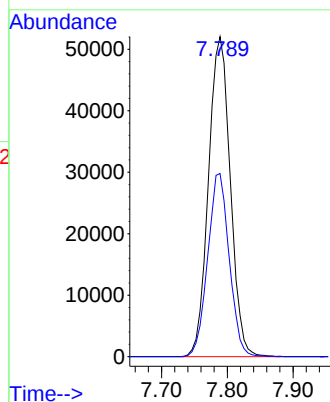


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

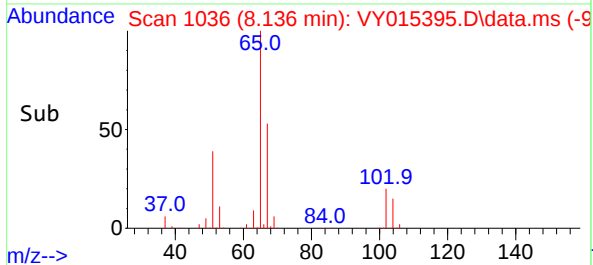
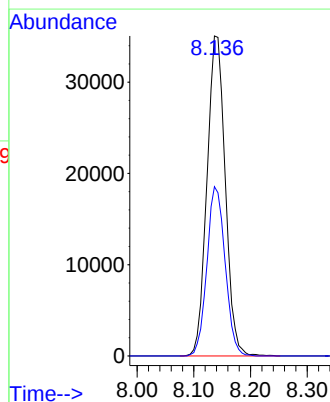
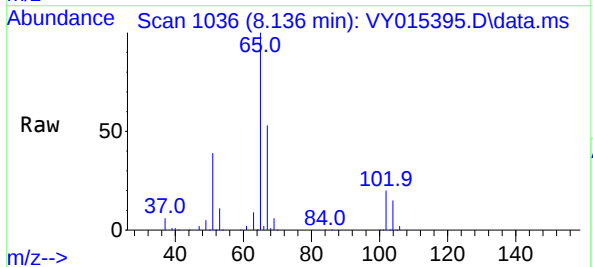


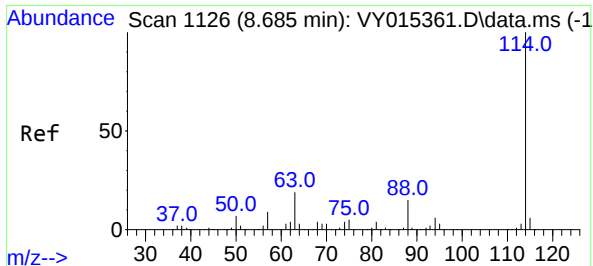
Tgt Ion:168 Resp: 120227
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 61.045 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 65 Resp: 78676
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015395.D

Acq: 31 Aug 2023 11:54

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-2

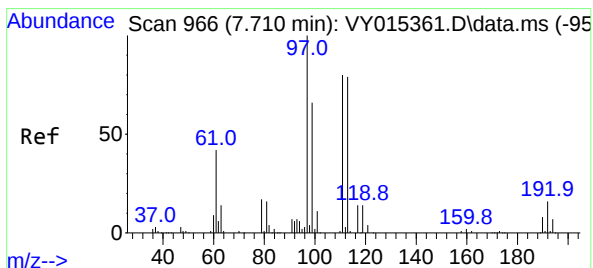
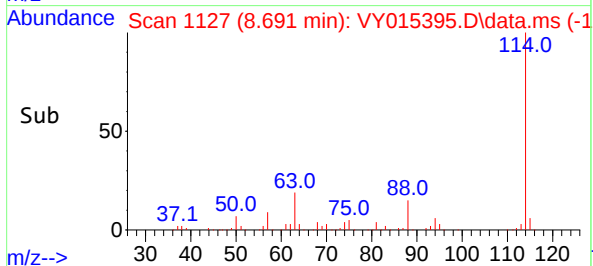
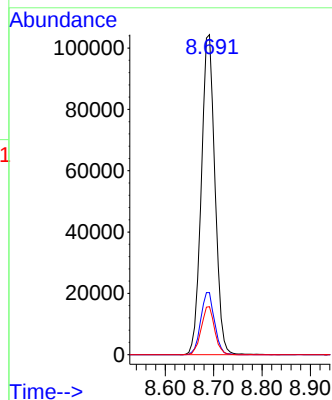
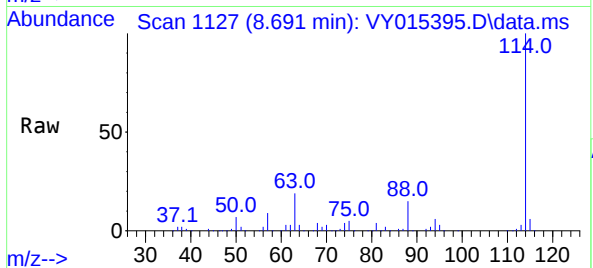
Tgt Ion:114 Resp: 204503

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.198 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015395.D

Acq: 31 Aug 2023 11:54

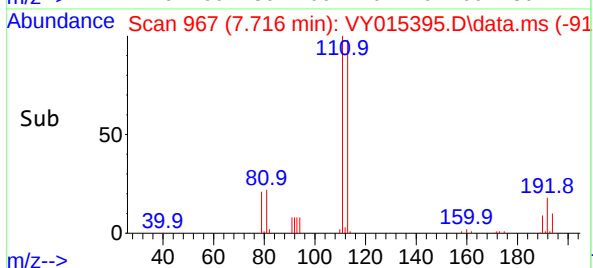
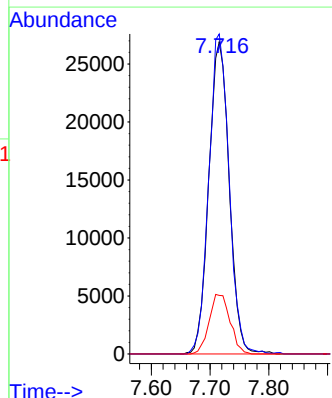
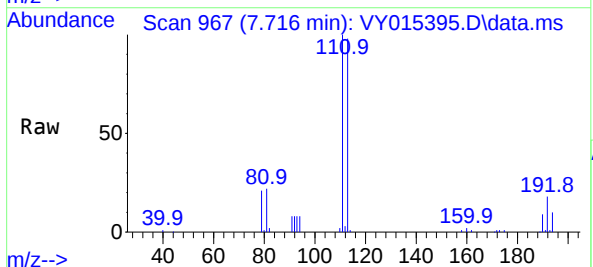
Tgt Ion:113 Resp: 65017

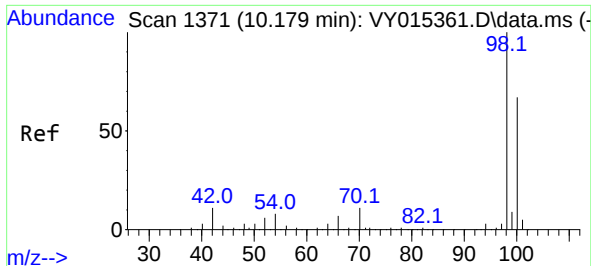
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 19.5 16.9 25.3

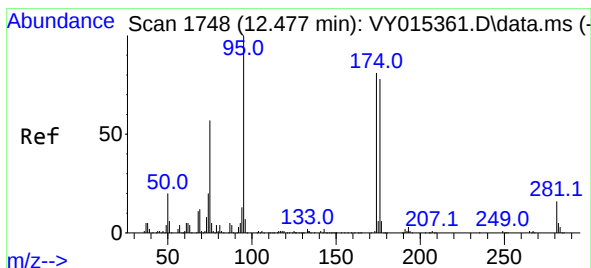
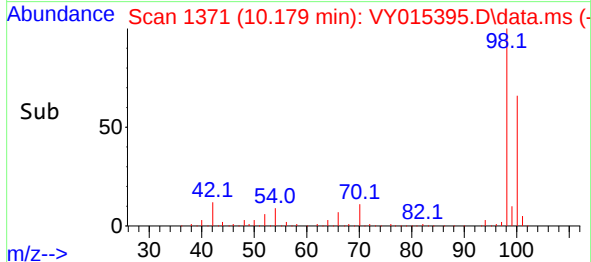
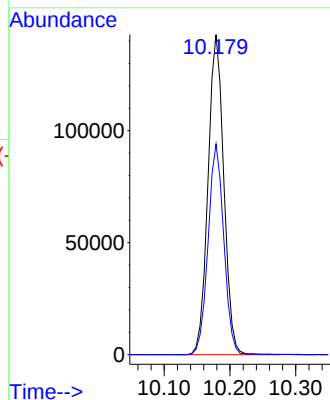
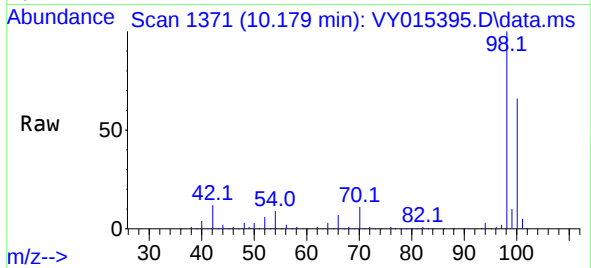




#50
Toluene-d8
Concen: 55.959 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

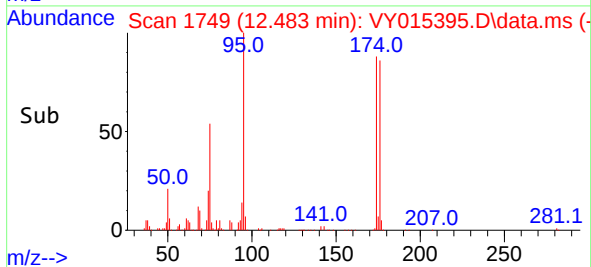
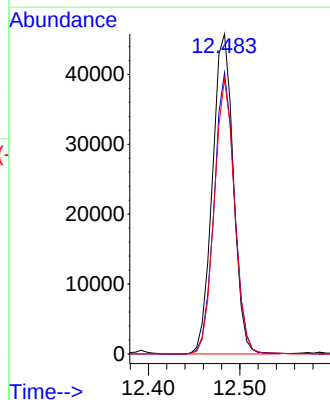
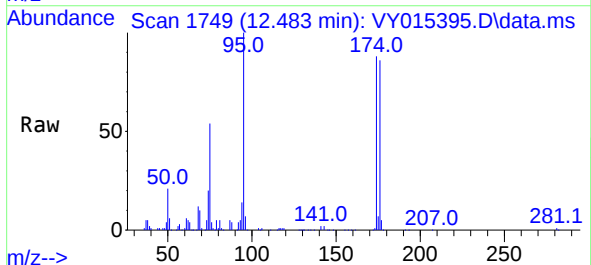
Instrument :
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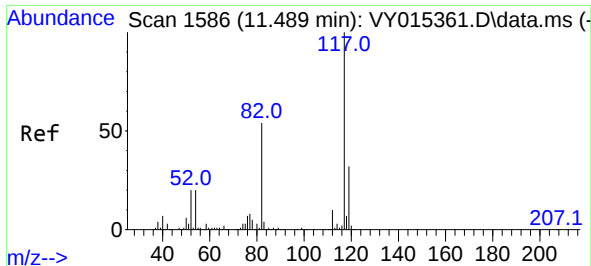
Tgt Ion: 98 Resp: 238699
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.975 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 95 Resp: 72804
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 83.2 0.0 173.8

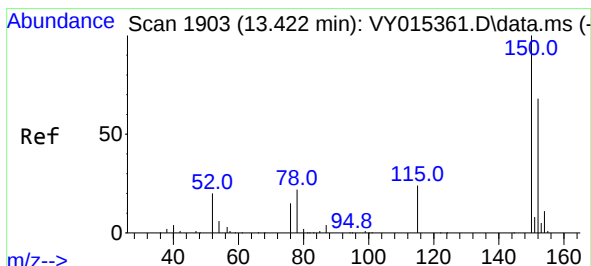
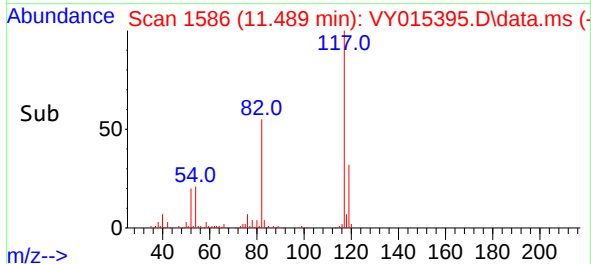
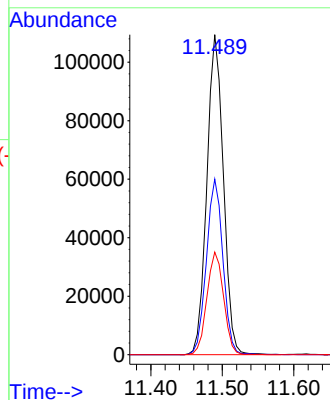
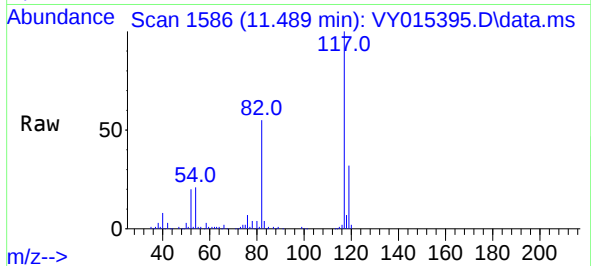




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

Tgt Ion:117 Resp: 175737
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion:152 Resp: 73752
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 158.8 0.0 348.8

